

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
1884.1015-006DIVISIONAL OF APPLICATION NO.  
09/310,507INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

January 8, 2002

APPLICANT  
Neil J. Goldfine, et al.FILING DATE  
May 12, 1999GROUP  
2858

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JRW	AA	3,939,404	02-17-76	Tait	324	40224	
JRW	AB	4,058,766	11-15-77	Vogel et al.	324	61667	
JRW	AC	4,355,300	10-19-82	Weber	340255	146.3	
JRW	AD	4,423,371	12-27-83	Senturia et al.	324	61665	
JRW	AE	4,757,259	07-12-88	Charpentier	324	227	
JRW	AF	4,799,010	01-17-89	Muller	324	240	
JRW	AG	4,810,966	03-07-89	Schmall	324	207.17	
JRW	AH	4,814,690	03-21-89	Melcher et al.	324	61674	
JRW	AI	4,853,617	08-01-89	Douglas et al.	324	67	
JRW	AJ	4,912,414	03-27-90	Lesky et al.	324	329	
JRW	AK	4,922,201	05-01-90	Vernon et al.	324	236	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JRW	AL	1095101 A	1984 MAY 30	Soviet Union (English Abstract)	G01R	27/26	
JRW	AM	0 242 947 A2	28 OCT 87	EPO	G01N	27/40	
JRW	AN	2 031 155A	16 APR 80	Great Britain	G01R	33/12	
JRW	AO	WO 92-03090	05 MAR 92	WO	A61B	5/06	
JRW	AP	0 723 166 A1	24 JUL 96	EP	G01V	3/08	
JRW	AQ	98/30921	16 JUL 98	WO	G01V	3/10	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Goldfine, Neil et al., "Dielectrometers and magnetometers, suitable for in-situ inspection of ceramic and metallic coated components," SPIE Conference, June 1995, 11 pages.
AS	Goldfine, Neil et al., "A New Eddy-Current Based Technology for Repeatable Residual Stress and Age Degradation Monitoring," ASNT International Chemical and Petroleum Industry Inspection Technology IV, Houston, TX June 19-22, 1995, 5 pages.
AT	Krampfner, Yehuda D. and Johnson, Duane D., "Flexible Substrate Eddy Current Coil Arrays," Review of Progress in Quantitative Nondestructive Evaluation, Vol 7A, 1988. pp 471-478.

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EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JRW	AA2	5,015,951	05-14-91	Melcher	324	232	
JRW	AB2	5,059,902	10-22-91	Linder	324	207.17	
JRW	AC2	5,086,274	02-04-92	Gobin et al.	324	239	
JRW	AD2	5,182,513	01-26-93	Young et al.	324	232	
JRW	AE2	5,237,271	08-17-93	Hedengren	324	232	
JRW	AF2	5,278,498	01-11-94	Vernon et al.	324	234	
JRW	AG2	5,315,234	05-24-94	Sutton, Jr. et al.	324	242	
JRW	AH2	5,345,514	09-06-94	Mahdavi et al.	382	152	
JRW	AI2	5,363,051	11-08-94	Jenstrom et al.	324	661	
JRW	AJ2	5,371,461	12-06-94	Hedengren	324	225	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JRW	AL2	98/40732	17 SEP 98	WO	GOIN	27/90	
JRW	AM2	99/22231	06 MAY 99	WO	GOIN	27/72	
JRW	AN2	93/11426	10 JUN 93	WO	GOIN	27/72	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	Zaretsky, M. et al., "Modal Approach to Obtaining Continuum Properties From Inter Digital Electrode Dielectrometry," Massachusetts Institute of Technology, Lees Technical Report, July 1986, pp. 1-43.
AV	Dodd, V.C. and Deeds, W.E., "Absolute Eddy-Current Measurement of Electrical Conductivity," From "Review of Progress in Quantitative Nondestructive Evaluation," Vol. 1, 1982, pp. 387-394.
AW	Dodd, C.V. and Simpson, W.A. "Measurement of Small Magnetic Permeability Changes by Eddy Current Techniques," presented at the National Fall Conference of the American Society for Nondestructive Testing, Oct. 19-22, 1970, pp. 217-221.
AX	Auld, B.A. et al., "Eddy-Current Signal Analysis and Inversion for Semielliptical Surface Cracks," Journal of Nondestructive Evaluation, Vol. 7, No. 1/2, 1988, pp. 79-94.
AY	Goldfine, Neil and Roach, Dennis, "Early Stage and Widespread Fatigue Damage Assessment for Aircraft Structures and Engines, Using a New Conformable Multiple-Frequency Eddy Current Sensor," ATA NDT Forum, Indianapolis, IN September 8-11, 1997, pp. 1-13.

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		FILING DATE May 12, 1999		GROUP 2858			
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JRW	AK2	5,371,462	12-06-94	Hedengren et al.	324	225	
JRW	AA3	5,389,876	02-14-95	Hedengren et al.	324	242	
JRW	AB3	5,418,457	05-23-95	Hedengren et al.	324	225	
JRW	AC3	5,453,689	09-26-95	Goldfine et al.	324	239	
JRW	AD3	5,463,201	10-31-95	Hedengren et al.	219	121.83	
JRW	AE3	5,485,084	01-16-96	Duncan et al.	324	225	
JRW	AF3	5,541,510	07-30-96	Danielson	324	233	
JRW	AG3	5,629,621	05-13-97	Goldfine et al.	324	239	
JRW	AH3	5,293,119	03-08-94	Podney	324	242	
JRW	AI3	5,223,796	06-29-93	Waldman et al.	324	687	
JRW	AJ3	5,793,206	08-11-98	Goldfine et al.	324	242	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JRW	AO2	99/26062	27 MAY 99	WO	G01N	27/72	
JRW	AP2	WO 97/01739	16 JAN 97	PCT	G01B	1/00	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AZ	Goldfine, Dr. Neil J., "Early Stage Fatigue Detection with Application to Widespread Fatigue Damage Assessment in Military and Commercial Aircraft," DOD/FAA/NASA Conference on Aging Aircraft, Ogden, UT, July 8-10, 1997, pp. 1-10.					
	AR2	Goldfine, Neil J., "Magnetometers for Improved Materials Characterization in Aerospace Applications," Materials Evaluation, March 1993, pp. 396-405.					
	AS2	Goldfine, Neil and Clark, David, "Near Surface Material Property Profiling for Determination of SCC Susceptibility," EPRI Balance-of-Plant Heat Exchanger NDE Symposium, Jackson Hole, WY, June 10-12, 1996.					
	AT2	Morrison, Philip and Tsipis, Kosta, "New Hope in Minefields," Massachusetts Institute of Technology's Technology Review, ISSN 0040-1692, Vol. 100, No. 7, pp. 38-47.					
EXAMINER <i>Jeffrey R. Wilson</i>				DATE CONSIDERED 06/24/02			

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EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JRW	AK3	5,900,736	05/04/99	Sovik et al.	324	<del>664</del> 663	
JRW	AA4	5,874,672	02/23/99	Gerardi et al.	73	170.26	
JRW	AB4	5,459,406	10/17/95	Louge	324	688	
JRW	AC4	5,436,565	07/25/95	Gammell	324	679	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AU2	<del>"Innovations in Quantitative Nondestructive Evaluation," JENTEK Sensors, Inc. Brochure, No Date Given.</del>					
	AV2	<del>Goldfine, Neil et al., "Surface-Mounted Eddy-Current Sensors for On-Line Monitoring of Fatigue Tests and For Aircraft Health Monitoring," Second Joint NASA/FAA/DoD Conference on Aging Aircraft, August 1998, pp. 1-16.</del>					
	AW2	<del>Goldfine, Neil, "Uncalibrated, Absolute Property Estimation and Measurement Optimization for Conducting and Magnetic Media Using Imposed <math>\omega</math>-k Magnetometry," Doctoral Thesis, Cataloged into the Massachusetts Institute of Technology Libraries on October 6, 1992, pp. 1-139.</del>					
EXAMINER				DATE CONSIDERED			
<i>[Signature]</i>				06/24/03			